



# Multimode 850/1310nm Micro-Optic Wavelength Division Multiplexer (High Isolation)

AC Photonics' MMWDM utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging. It provides low insertion loss, high channel isolation, low temperature sensitivity and epoxy free optical path. All AC Photonics' products are telcordia qualification tested.

## Features

- Wide Operating Wavelength Range
- Low Insertion Loss
- Ultra Flat Wide Passband
- High Channel Isolation
- High Stability and Reliability
- Epoxy Free Optical path

## Applications

- System Monitoring
- WDM System
- Transmitters and Fiber Lasers
- Fiber Optical Amplifier
- Fiberoptic Instruments



## Performance Specifications

Parameter	HMWDM-83/38	
Pass Channel Wavelength Range (nm)	800 ~ 900 (or 1260 ~ 1360)	
Reflect Channel Wavelength (nm)	1260 ~ 1360 (or 800 ~ 900)	
Insertion Loss (dB)	Reflect Channel	≤ 1.0
	Pass Channel	≤ 1.0
Insertion Loss Variation (dB)	≤ 0.3	
Isolation (dB)	Reflect Channel	≥ 45
	Pass Channel	≥ 45
Insertion Loss Temperature Sensitivity (dB/°C)	≤ 0.003	
PDL (dB)	≤ 0.1	
Polarization Mode Dispersion (ps)	≤ 0.1	
Directivity (dB)	≥ 45	
Return Loss (dB)	≥ 40	
Power Handling (mW)	300	
Operating Temperature (°C)	0 ~ +70	
Storage Temperature (°C)	-40 ~ +85	
Dimensions (mm)	Φ5.5 x L34 (L38 for 900um Jacket)	

Note: All parameters are measured under scrambled mode condition for both wavelengths.

## Ordering Information

HMWDM	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
	Wavelength	Fiber Type	Fiber Length	Pigtail Style	In/Out Connector
	83=850 pass 38=1310 pass	1=62.5/125 MM Fiber 2=50/125 MM Fiber	1=1 m 2=2 m	1 = Bare Fiber 2 = 900um Jacket	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC

## Dimensions

